

## INTERNATIONAL SEARCH REPORT

International Application No

T/GB2004/002479

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC 7 A47L15/44 D06F39/02**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 A47L D06F**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

**EPO-Internal, WPI Data, PAJ****C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 698 022 A (FREDERICK FAHNOE) 28 December 1954 (1954-12-28)  the whole document -----	1-5, 7-11, 32, 37, 39, 40
X	US 2002/100773 A1 (FULLER GRAHAM ET AL) 1 August 2002 (2002-08-01)  paragraph '0044! - paragraph '0049!; figures 7, 8 -----	2-8, 22-28, 32, 39, 40
X	DE 199 54 706 A (AEG HAUSGERAETE GMBH) 23 May 2001 (2001-05-23) column 1, line 45 - column 3, line 20 -----	2
A	US 2 948 436 A (NOREN TORE H ET AL) 9 August 1960 (1960-08-09) figure 4 -----	37
	-/-	

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the International search

30 September 2004

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20/10/2004

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**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 739 942 A (MERCER R ET AL) 19 June 1973 (1973-06-19) -----	
A	DE 42 01 165 A (WMF WUERTTEMBERG METALLWAREN) 22 July 1993 (1993-07-22) -----	
A	US 2 118 299 A (WILLIAM ELLIS OWEN) 24 May 1938 (1938-05-24) the whole document -----	

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

National Application No

T/GB2004/002479

Patent document cited in search report		Publication date		Patent family member(s)		Publication date.
US 2698022	A	28-12-1954	NONE			
US 2002100773	A1	01-08-2002	DE AU AU CA WO EP JP PL ZA	19934592 A1 764588 B2 6565200 A 2380161 A1 0107704 A1 1200664 A1 2003505169 T 353731 A1 200201341 A		25-01-2001 21-08-2003 13-02-2001 01-02-2001 01-02-2001 02-05-2002 12-02-2003 01-12-2003 11-03-2003
DE 19954706	A	23-05-2001	DE FR	19954706 A1 2800982 A1		23-05-2001 18-05-2001
US 2948436	A	09-08-1960	NONE			
US 3739942	A	19-06-1973	NONE			
DE 4201165	A	22-07-1993	DE	4201165 A1		22-07-1993
US 2118299	A	24-05-1938	NONE			